ABSTRACT

A phthalocyanine composite with high sensitivity and low environmental dependence is provided.

It comprises both a at least one phthalocyanine compound expressed by general formula (1) and a at least one phthalocyanine compound expressed by general formula (2):

[Chemical Formula 1]

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[Chemical Formula 2]

where, in the general formulae (1) and (2), M^1 represents at least one arbitrary atom or

atomic group that is capable of binding to a phthalocyanine,

 \mbox{M}^2 represents an atom, or an atomic group containing an atom, selected from the second and

subsequent periods of the periodic table and capable of binding to a phthalocyanine, M^1 and M^2 being different in kind from each other,

 ${\rm X}^{1}{\rm -X}^{4}$ represent, independently of each other, a balogen atom, and

a, b, c, and d represent, independently of each other, an integer between 0 and 4 and satisfy $a+b+c+d \,>\, 1\,.$